

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Hirai, Mitsuharu

App. No : 10/553,576

Filed : October 17, 2005

For : METHOD OF DETECTING OR  
QUANTITATIVELY DETERMINING  
MITOCHONDRIAL DNA 3243  
VARIATION, AND KIT THEREFOR

Examiner : Staples, Mark

Art Unit : 1637

Conf # : 4658

DO NOT ENTER

/M.S./

August 7, 2008

**AMENDMENT AFTER FINAL****Mail Stop AF**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action sent April 29, 2008, Applicants respectfully request the Examiner to enter the following amendments and consider the following arguments.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 3 of this paper.